

Theoretical and experimental investigation of reactions between dialkyl phosphites and tert-butylphosphaethyne

Ishmaeva E., Popova E., Mironov V., Aminova R., Vereshchagina Y., Galkin V., Moeller K., Schmutzler R.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Experimental and theoretical study of reactions between dialkyl phosphites and tert-butylphosphaethyne revealed that the preferred reaction route resulted in formation of a phosphalkene containing a fragment $C=PP(O)$ including simultaneously a bicoordinate and tetracoordinate phosphorus.

<http://dx.doi.org/10.1023/B:RUJO.0000045885.25212.2b>
